

## ABSTRACT

This invention relates to the techniques of interpolation of images using at least two original images. Especially, the invention concerns motion compensation and finding desired color information of the picture. Only one vector field of the motion vectors between original pictures is required for forming any intermediate picture. When knowing the desired intermediate picture beforehand, it is possible to adjust parameter values of the motion vectors of the vector field for forming the intermediate picture. By adjusting the parameter values, nonlinear motion and color information can be taken into account.

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100